

To: Distefano, Nichole[DiStefano.Nichole@epa.gov]
From: Hague, Mark
Sent: Tue 11/3/2015 10:47:31 PM
Subject: Fwd: West Lake Landfill, MO

Nichole

Below see one correction. Regarding coe support on barrier

Sent from my iPhone

Begin forwarded message:

From: "Juett, Lynn" <Juett.Lynn@epa.gov>
Date: November 3, 2015 at 4:40:01 PM CST
To: "Hague, Mark" <Hague.Mark@epa.gov>
Subject: RE: West Lake Landfill, MO

Mark – we have completed the “fact checking” of this write up. The only incorrect statement is the following,

EPA sought USACE help in designing an isolation barrier to prevent the fire in OU-2 from reaching areas of OU-1”

Actually the USACE is not helping in the actual design of the IB but are assisting in the evaluation of possible options for an isolation barrier.

Thank you,

Lynn M. Juett

Office of Regional Administrator/US EPA Region 7

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From: Hague, Mark
Sent: Tuesday, November 03, 2015 4:26 PM
To: Juett, Lynn <Juett.Lynn@epa.gov>
Subject: Fwd: West Lake Landfill, MO

Quick turnaround. Just big fact check. Like dates for air monitoring. Thought we went beyond February.

Sent from my iPhone

Begin forwarded message:

From: "Distefano, Nichole" <DiStefano.Nichole@epa.gov>
Date: November 3, 2015 at 3:16:25 PM CST
To: "Hague, Mark" <Hague.Mark@epa.gov>
Subject: FW: West Lake Landfill, MO

Mark –

See question below we received from Senate appropriators (bottom of chain) and proposed answer from OSWER. Do you have any concerns with us sending the proposed answer over to them?

Please let me know as soon as you can if you have any concerns with below or tweaks. We need to get this up to them tonight.

Nichole Distefano

Deputy Associate Administrator

Office of Congressional and Intergovernmental Relations

Environmental Protection Agency

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Distefano.Nichole@epa.gov

From: Levine, Carolyn
Sent: Tuesday, November 03, 2015 1:14 PM
To: Distefano, Nichole <DiStefano.Nichole@epa.gov>
Subject: FW: West Lake Landfill, MO

See below

Carolyn Levine

Office of Congressional and Intergovernmental Relations

U.S. EPA

(202) 564-1859

levine.carolyn@epa.gov

From: Deitz, Randy
Sent: Tuesday, November 03, 2015 1:11 PM
To: Levine, Carolyn <Levine.Carolyn@epa.gov>
Subject: RE: West Lake Landfill, MO

Well I sent this summary to Ed this morning:

The Westlake Landfill site was listed on the Superfund National Priorities List (NPL) in 1990. EPA divided the site into two areas, or operable units (OUs), for cleanup. OU-1 addresses radiologically contaminated landfill areas. OU-2 addresses three sanitary landfill cells containing municipal refuse and construction/demolition debris. EPA entered into a consent agreement with the responsible parties in which the parties agreed to perform field studies and engineering evaluations designed to identify options for cleanup. The Remedial Investigation and Feasibility Study (RI/FS) work was completed in 2006 and a proposed plan for both operable units (OUs) was published in June 2006. The Record of Decision (ROD) for OU-1 was signed in May 2008. The selected remedy calls for the installation of an engineered landfill cover system over radiologically contaminated areas, implementation of a long-term groundwater monitoring and cover maintenance program, and institutional controls to restrict access. The ROD for OU-2 was also signed in July 2008. Under this decision, the OU-2 non-radiological landfill units will be closed and monitored in accordance with Missouri solid waste regulations.

After the OU-1 ROD was signed, EPA continued to receive public comments about the selected remedy. In response to those comments, EPA tasked the responsible parties to conduct a Supplemental Feasibility Study (SFS) for OU-1 that further evaluated the ROD-selected remedy, as well as full-scale excavation of the radiologically contaminated landfill material (also called radiologically impacted materials or RIM) and disposal either at a permitted off-site facility or in a new, on-site engineered disposal cell.

The estimated costs associated with alternatives discussed in the December 2011 OU-1 SFS Report triggered an early consultation with EPA's National Remedy Review Board (NRRB). Since February 2012, the NRRB has provided suggestions relating to the SFS Report for consideration. These include: evaluating additional groundwater sampling to refresh the body of existing site data; conducting a more detailed study of the partial excavation alternative; and conducting a more detailed analysis of potential treatment technologies for radiologically contaminated landfill material. In June 2012, EPA Region 7 tasked the responsible parties to perform this work under the existing Consent Order.

In July and August 2012, the responsible parties performed the first round of additional groundwater sampling. In November 2012, EPA staff performed the vertical gamma radiation screening in site monitoring wells to further refine distribution of radiologically impacted wastes. Three additional quarterly rounds were collected through early 2014. Data from these sampling events were independently evaluated for EPA by the US Geological Survey (USGS).

Regarding OU-2 that is being addressed by the responsible parties under Missouri state waste management authorities, certain areas of OU-2 have had underground fires smoldering for years. Some members of the local community

are concerned that the underground fire may move to OU-1 and cause a release of radiological contamination. Missouri is a federally approved regulator for solid waste landfills. For areas operated under state permit (the Former Active Sanitary Landfill and the Closed Demolition Landfill), the terms of their respective permits dictate the appropriate closure and post-closure care requirements. Successful completion of these requirements would eliminate the need for further Superfund action at these units. The OU-2 landfill units have been deferred to the state regulatory program. For the Inactive Sanitary Landfill, which was closed prior to state regulation, the Selected Remedy is containment with relevant and appropriate closure and post-closure care requirements identified through the CERCLA remedy selection process.

The major components of the Selected Remedy for the OU-2 Inactive Sanitary Landfill includes: install landfill cover meeting the Missouri closure and post-closure care requirements for sanitary landfills, apply groundwater monitoring and protection standards consistent with requirements for sanitary landfills, surface water runoff control, gas monitoring and control consistent with sanitary landfill requirements as necessary, institutional controls to prevent land uses that are inconsistent with a closed sanitary landfill site, and long-term surveillance and maintenance of the remedy.

Off-site air monitoring was performed by EPA between May 2014 and February 2015 at five locations to determine preconstruction baseline concentrations for OU-1 contaminants of concern (COCs - radionuclides, particulates, and volatile organic compounds or VOCs). Monitoring for radionuclides at one station within Spanish Village continued through July 30, 2015. EPA is confident that the results of the data collected to date provide a sufficient baseline from which to compare any future off-site air monitoring for those compounds. In October, 2015, EPA approved the Revised Work Plan for Additional Characterization of Radiologically-Impacted Material (RIM) in Areas 1 and 2 of the site. The work plan describes the scope of work and the procedures to be used by the PRPs' contractors during additional investigation of RIM in Areas 1 and 2 of OU-1. The results of this additional investigation will supplement prior site investigation work and will ultimately support a remedy selection for OU-1 by EPA. Defining the scope and location of RIM is critical to accurately evaluate all remedial alternatives, including full and partial excavation options.

Because of ongoing community concerns regarding underground smoldering in OU-2 having a potential impact on radiological waste in OU-1, in early 2015, 13 air monitoring stations were installed around Areas 1 and 2 of OU-1. These stations became fully operational in May 2015 and will establish baseline air concentrations onsite for OU-1 COCs over the next year. These monitoring systems will subsequently be used by the responsible parties to monitor site conditions, with EPA oversight, for any future on-site construction activities.

EPA has engaged through interagency agreements independent scientific and engineering support from the United States Geological Survey (USGS) and the

United States Army Corps of Engineers (USACE). EPA sought USACE help in designing an isolation barrier to prevent the fire in OU-2 from reaching areas of OU-1. In addition to helping with the proposed isolation barrier, personnel from USACE's specialized Formerly Utilized Sites Remedial Action Program (FUSRAP) will assist EPA Region 7 by reviewing and providing feedback on key technical documents related to the additional SFS studies. EPA will continue its extensive outreach efforts to help keep the public fully informed of EPA actions leading up to the long-term remedy decisions and to keep the public protected from the contaminants contained within the West Lake Land fill.

Randy Deitz

Attorney Advisor

Office of Solid Waste and Emergency Response

(202) 566-0197

From: Levine, Carolyn

Sent: Tuesday, November 03, 2015 12:03 PM

To: Walsh, Ed <Walsh.Ed@epa.gov>; Deitz, Randy <Deitz.Randy@epa.gov>;
Blizzard, James <Blizzard.James@epa.gov>

Cc: Distefano, Nichole <DiStefano.Nichole@epa.gov>

Subject: RE: West Lake Landfill, MO

Adding Nichole for this one. Lots of interest so we need to be coordinated on response.

Carolyn Levine

Office of Congressional and Intergovernmental Relations

U.S. EPA

(202) 564-1859

levine.carolyn@epa.gov

From: Walsh, Ed
Sent: Monday, November 02, 2015 10:36 PM
To: Deitz, Randy <Deitz.Randy@epa.gov>; Levine, Carolyn <Levine.Carolyn@epa.gov>; Blizzard, James <Blizzard.James@epa.gov>
Subject: Fwd: West Lake Landfill, MO

Got this question today.

Thanks

Ed

Begin forwarded message:

From: "Tomassi, Chris (Appropriations)" <Chris_Tomassi@appro.senate.gov>
Date: November 2, 2015 at 4:24:04 PM EST
To: "Walsh, Ed" <Walsh.Ed@epa.gov>
Subject: FW: West Lake Landfill, MO

Hi Ed – I've been asked about EPA's involvement in the West Lake Landfill project in Missouri. My understanding is there is a long history on this issue, but I'm not intimately familiar with it, so have a couple of questions.

Can you share the status/timeline that EPA anticipates will be required to "complete" the necessary cleanup activities?

I was told that EPA has been working with the Corps for their expertise in construction oversight. I would be interested in knowing exactly how and what

EPA has relied on the Corps for on this particular project. Any info you can get is appreciated.

Thanks!

Chris